Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: SMX1200XLHG

SmartPro UPS System - Intelligent line interactive medical-grade battery backup and network power management

Highlights

- 1000VA / 1kVA line interactive, extended run tower UPS
- Maintains 230V nominal output over an input range of 155 to 274V
- Professional features include serial port, IEC320 plug & outlets, built-in isolation transformer
- Input: IEC C14 inlet (230V 5A) / Output: 6 IEC C13 (230V)
- 2 year product warranty

Description

Tripp Lite's SMX1200XLHG offers medical-grade UPS protection with built-in line-interactive voltage regulation, expandable battery runtime and intelligent monitoring with unattended shutdown capability. Tested to CE/IEC 60601-1 standard as medical electrical equipment. Built-in isolation transformer with Faraday shield offers full line isolation and removes common mode noise while maintaining full AC surge suppression in all modes. Includes high quality hospital-grade plug and outlets. Resistant to electrostatic discharge. 1000VA power handling capacity supports computers, inter-networking equipment and other critical loads during commercial power failures. External battery connector allows configuration for up to several hours of runtime during power failures by adding one or more external battery packs (BP36V15-2U limit 1 or BP36V42-3U multi-pack compatible). Line interactive voltage regulation corrects brownouts as low as 155V and overvoltages as high as 274V back to normal 230V levels, saving battery reserves for use only during complete power failures. Includes diagnostic LEDs and 2 built-in communications ports (1 USB, 1 DB9) that work with included PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

Applications

CE/IEC 60601-1 compliant UPS provides ultimate safety and reliability for patient point of care solutions, telemedicine, nurse's stations, wireless communications systems, electronic prescribing applications, medical imaging and mission critical equipment. Not recommended for life support applications

Package Includes

- SMX1200XLHG Medical Grade Tower UPS System
- PowerAlert Software and cabling
- Warranty information
- Instruction manual

Features

- Ideal UPS protection for applications in medical patient-care areas where CE/IEC 60601-1 listed medical electrical equipment is required
- Built-in isolation transformer with Faraday shield offers full isolation and removes common mode noise while maintaining full AC surge suppression in all modes
- Provides connected equipment with continuous power during short and long duration loss of commercial power
- Expandable runtime is available with the addition of one or more external battery packs (BP36V15-2U limit 1 or BP36V42-3U multi-pack

compatible)

- Line-interactive voltage regulation corrects brownouts and overvoltages from 155 to 274 volts back to usable 230V output levels, without using battery power
- Full line isolation prevents shock potential and operational problems in sensitive electronic equipment
- Resistant to electrostatic discharge
- Supports loads up to 1000VA/750W
- 27.5 min. half-load runtime (500VA/375W), 11 min. full load runtime (1000VA/750W)
- 6 protected outlets; 6-inch dongle with IEC C14 inlet
- USB and DB9 communication ports
- PowerAlert unattended shutdown software and complete cabling included
- Complete surge protection, line isolation and EMI/RFI noise filtering
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction, overload & battery low/replace
- Battery replacement door and back panel grounding lug
- 2-year product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	230V AC
Frequency compatibility	50/60 Hz (auto-sensing)
OUTPUT	
Output VA	1000
Output watts	750
Output nominal voltage	230V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 230V (-18% / +8%)
Output frequency regulation	LINE MODE: Passes line frequency of 50/60Hz +/-10%
Outlet quantity / type	6 IEC320 C13
INPUT	
Maximum input amps	5A / 1150 watts
Input connection type	IEC320 C14 inlet
Input cord length	6 inch dongle, 16 gauge
Recommended Electrical Service	10A 230V
BATTERY	
Full load runtime	11 min. (1000VA)
Half load runtime	27.5 min. (500VA)
Expandable battery runtime	Supports extended runtime with optional BP36V15-2U (limit 1) and BP36V42-3U external battery pack (multi-pack compatible)
DC system voltage	36V DC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power over an input voltage range of 155 to 274V AC.

Overvoltage correction	Input voltages between 245 and 274V AC are reduced by 9%
Direct pass through	Input voltages between 200 and 244V AC are passed through unchanged
Brownout correction	Input voltages between 183 and 199V AC are boosted by 10%
Severe brownout correction	Input voltages between 156 and 182V AC are boosted by 21%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Yes, includes 5 front-panel indicator LEDs to show battery charge level, AC line voltage levels, automatic voltage regulation status, UPS load level and replace battery warning
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	340 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	48.8
Shipping weight (kg)	22
Shipping Dimensions (HWD/in)	18.5 x 12.2 x13.4
Shipping Dimensions (HWD/cm)	46.9 x 31 x 34
Unit weight (lbs)	45.5
Unit weight (kg)	20.5
Unit Dimensions (HWD/in)	12.7 x 7.5 x 9.1
Unit Dimensions (HWD/cm)	31.75 x 19.1 x 23.1
Material of construction	PVC
Form factors supported	Tower
Cooling method	UPS cooling via rear-exit fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in monitoring ports, 1 USB & 1 DB9
Software and cabling included	PowerAlert UPS monitoring software is included on CD-ROM for all common network and standalone operating systems. Ships with 2 cables, 1-USB to USB & 1-DB9 to DB9
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	155V (resets to line power as voltage increases to 163V)

High voltage transfer to battery power	274V (resets to line power as voltage decreases to 266V)
SPECIAL FEATURES	
Cold Start	Yes, inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive gray tower UPS
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP36V15-2U (limit 1) and BP36V42-3U external battery pack (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to CE, IEC 60601-1 (Medical), Class B (Emissions)
WARRANTY	
Product Warranty Period	2 year product warranty
Optional Coverage	

Related Items

External Battery Packs		
BP36V15-2U	External battery pack for UPS system (limit 1)	Qty: [optional]
BP36V42-3U	External battery pack for UPS system	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3868.

©2009 Tripp Lite. All Rights Reserved.